

General Information:

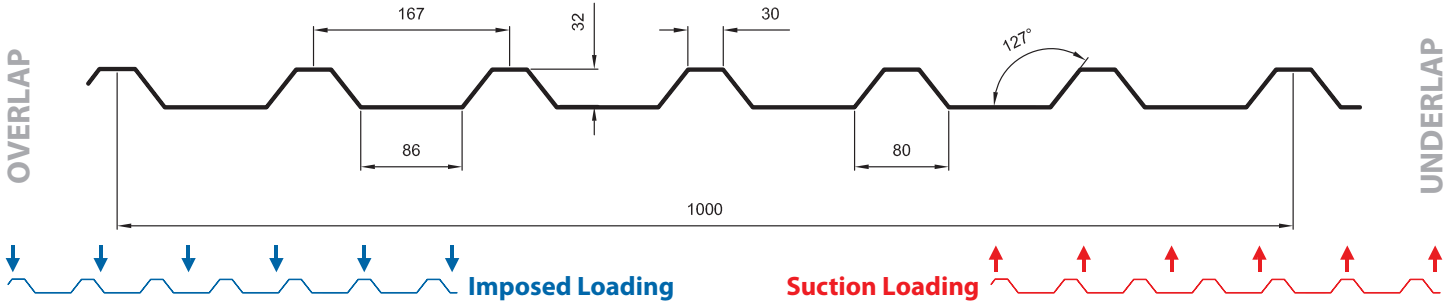
Min. Yeild Stress (N/mm ²)	220
Deflection Limit	L/200

	0.5	0.7
Weight (kg/m ²)	4.91	6.88
Shear resistance (kN/m)	23.94	39.69
Web Crushing Mid (kN/m)	5.78	10.70
Web Crushing End (kN/m)	2.89	5.35



CE MARKED IN COMPLIANCE WITH EN 14782: 2006

Profile Dimensions:



Imposed (Gravity)

Bottom Flange In Tension	0.5	0.7
Moment Capacity (kNm/m)	0.825	1.268
Inertia (cm ⁴ /m)	8.029	11.995

Bottom Flange In Compression	0.5	0.7
Moment Capacity (kNm/m)	0.778	1.190
Inertia (cm ⁴ /m)	5.840	8.902

		Span (m) / UDL (kN/m ²)																
		1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
0.5	Single	3.85	3.50	3.06	2.60	2.24	1.96	1.64	1.37	1.15	0.98	0.84	0.73	0.63	0.55	0.49	0.43	0.38
	Double	2.21	1.93	1.70	1.51	1.35	1.21	1.10	1.00	0.92	0.84	0.77	0.72	0.66	0.62	0.58	0.54	0.51
	Multi	2.61	2.28	2.01	1.79	1.61	1.45	1.31	1.20	1.10	1.01	0.93	0.86	0.80	0.75	0.70	0.65	0.61
0.7	Single	6.76	5.59	4.70	4.00	3.45	2.90	2.39	1.99	1.68	1.43	1.22	1.06	0.92	0.80	0.71	0.63	0.56
	Double	3.76	3.26	2.86	2.53	2.26	2.02	1.83	1.66	1.51	1.39	1.27	1.18	1.09	1.01	0.94	0.88	0.82
	Multi	4.46	3.88	3.41	3.02	2.70	2.43	2.20	2.00	1.82	1.67	1.54	1.42	1.32	1.22	1.14	1.04	0.93

Suction (Uplift)

Bottom Flange In Tension	0.5	0.7
Moment Capacity (kNm/m)	0.778	1.190
Inertia (cm ⁴ /m)	5.840	8.902

Bottom Flange In Compression	0.5	0.7
Moment Capacity (kNm/m)	0.825	1.268
Inertia (cm ⁴ /m)	8.029	11.995

		Span (m) / UDL (kN/m ²)																
		1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
0.5	Single	3.85	3.43	2.88	2.46	2.03	1.65	1.36	1.13	0.95	0.81	0.69	0.60	0.52	0.46	0.40	0.36	0.32
	Double	2.26	1.98	1.74	1.55	1.39	1.25	1.14	1.03	0.95	0.87	0.80	0.74	0.69	0.64	0.60	0.56	0.53
	Multi	2.67	2.34	2.07	1.84	1.65	1.49	1.35	1.24	1.13	1.04	0.96	0.89	0.83	0.76	0.67	0.59	0.53
0.7	Single	6.35	5.25	4.41	3.70	2.96	2.41	1.98	1.65	1.39	1.18	1.02	0.88	0.76	0.67	0.59	0.52	0.46
	Double	3.87	3.36	2.95	2.62	2.34	2.10	1.90	1.72	1.57	1.44	1.33	1.23	1.14	1.05	0.98	0.87	0.77
	Multi	4.59	4.00	3.52	3.12	2.79	2.51	2.27	2.07	1.89	1.74	1.60	1.46	1.27	1.11	0.98	0.87	0.77

- CA 32 1000R when installed as part of a roof construction to be limited to maximum 1.80m purlin spans. Refer to CABP Technical Information Paper TIP-101 for further information regarding Non-Fragility.
- CA 32 1000R when installed vertically as part of a wall construction to be limited to maximum 2.20m rail spans.
- CA 32 1000R when installed horizontally as part of a wall construction to be limited to maximum 1.80m support spans.
- CA 32 1000R when installed horizontally should be 0.7mm thick.